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Description of a new species of *Stereopalpus* (Coleoptera, Anthicidae) related to *S. tokioensis*, from the Tôhoku region, Honshu, Japan

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Keywords:

Coleoptera; Anthicidae; *Stereopalpus*; taxonomy; description; new species; East Palearctic; Tôhoku region; Honshu Island; Japan.

Abstract. – *Stereopalpus fukuoi* **sp**. **nov**. is described from the Tôhoku region, Honshu, Japan. This new species is closely related to *Stereopalpus tokioensis* Nakane, 1983.

Saitô M., 2026. – Description of a new species of *Stereopalpus* (Coleoptera, Anthicidae) related to *S. tokioensis*, from the Tôhoku region, Honshu, Japan. *Faunitaxys*, 14(25) : 1 – 3.

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Introduction

I recently examined specimens of *Stereopalpus* collected in Akita pref., Tôhoku region, Honshu similar to *S. tokioensis* Nakane, 1983. After borrowing paratypes of the latter and carefully comparing them, clear differences were found. As a result these specimens are proposeed to represent a new species, leading to the present contribution.

Material and methods

Morphological abbreviations used herein are as follows in dorsal view:

L - Body length from frons to elytral apices;
W - Body width across humeral region of elytra;
FW - Width across frons (minimal width across frons between eyes);
ED - Eye diameter;
AnW - Distance between anntenal insertions;
TW - Temporal width;
CL - Clypeal length;
CW - Clypeal width;
PL - Pronotal length;
PW - Pronotal width;
HW - Maximum head width including eyes;
EW - Elytral width;
EL - Elytral length;
MtiL - Eength of metathoracic tibia;
Mta1stL - Length of 1st metathoracic tarsomere;
AL - Aedeagal length;
BpL - Basal piece length;
PmLvLength of parameres;
PmW - Width of parameres.

The average values of measurements are given in parenthesis after the range.

Exact label data are cited for each type specimen. Individual lines on labels are separated by a single slash, and individual labels are separated by a double slash. The holotype and paratypes are glued to cardboard plates. Specimens of the newly described species are provided with additional red labels with the following printed text: "*Stereopalpus* / *fukuoi* sp. nov. / HOLOTYE, ♂ [or] PARATYPE, ♂ [or] ♀ / des. Masahiro SAITÔ, 2026 / デワクビボソムシ".

The entomological collection codes for specimen depository are noted below and elsewhere in the text:

(APM) - Collection of Akita Prefectural Museum, Akita, Japan;
(FSC) - Collection of F. Satô, Akita, Japan;
(HUM) - Collection of Hokkaido University Museum
(MSC) - Collection of M. Saitô, Fukui, Japan;
(NSMT) - National Museum of Nature and Science, Tsukuba, Japan;
(OKC) - Collection of Dr. Ondřej Konvička, Zlín, Czech Republic;
(WIRC) - Wisconsin Insect Research Collection, USA.

Taxonomy

Stereopalpus tokioensis Nakane, 1983
(Fig. 4, 9, 10)

Stereopalpus tokioensis Nakane, 1983: 4, 6, pl.1, figs. 11, 16.

Japanese name. – Naga-kubibosomushi.

Type locality. – Shinjuku, Tokyo, Honshu, Japan. Sakai, 1985, Coleopt. Icon. Ins. Japan. Col. Nat. ed., Tokyo, 2: 416, pl. 71, fig. 4.

Notes. – This species forms a distinct species group from *Stereopalpus gigas* (Marseul, 1976) among the Japanese species. Compared to the former group, this group is distinguished from the latter by the following characters:

1- Body smaller and more lustrous;
2 - Tempora weakly developed and clearly narrower than width of head including eyes.

Specimens examined

Paratypes (2)

- **1** ♂, "Ohkawa / Dojima-mura / yama / 2. VI. 1949. / Y. K." (HUM, Fig. 10);
- **1** ♂, "KOMABA / TOKYO / 21-V-1953 / K. MASUMOTO" (HUM).

Reviewer :
Daniel K. Young (*Department of Entomology, University of Wisconsin, Madison, USA*) - https://zoobank.org/7761D61F-8FD2-47F3-903D-225381B6F044 - https://orcid.org/0000-0002-5711-2519

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***Stereopalpus fukuoi* sp. nov.**

(Fig. 1-3, 5-8)

ZooBank: https://zoobank.org/C6D9DBC5-6CA9-4299-92B3-90C3E83BD507

Japanese name. – Dewa-kubibosomushi.

Type locality. – Japan, Akita Pref., Akita-shi, Yuwashibanoshinden, Riv. Omono right bank, alt. 5 m.

Holotype (Fig. 1), ♂, "Riv. Omono right bank, alt. 5 m / Yuwashibanoshinden / Akita-shi / Akita Pref., JPN / 8. VI. 2025 / F. Satô leg." (NSMT).

Paratypes: **8** ♂, same data as the holotype (**1** ♂, APM; **2** ♂, FSC; **1** ♂, MSC; **2** ♂ NSMT; **1** ♂, OKC; **1** ♂, WIRC).

Description of the holotype

Body (Fig. 1) elongate, parallel-sided, L/W 3.5-3.7 (3.7, n=6), moderately convex dorsally, sparsely covered with silvery-gray pubescence except for episternal apices and epimeral basal regions of mesothorax.

Coloration. – Color largely black; maxillary palpi and most of tibiae and tarsi reddish brown; dorsum nitid, weakly tinged with brass luster.

Head. – Trapezoidal in dorsal view, densely, coarsely and annularly punctate; frons triangularly depressed, densely punctate and wrinkled, with shallow median furrow, FW/ED 1.7 (n = 1), FW/AnW about 0.8 (n = 1); tempora broadly rounded, not protruding from eyes, TW/HW 0.9 (n=1); clypeus almost flat, densely and coarsely punctate, with anterior margin almost straight, CW/CL 2.7 (n=1); fronto-clypeal furrow indistinct. Eyes ovate

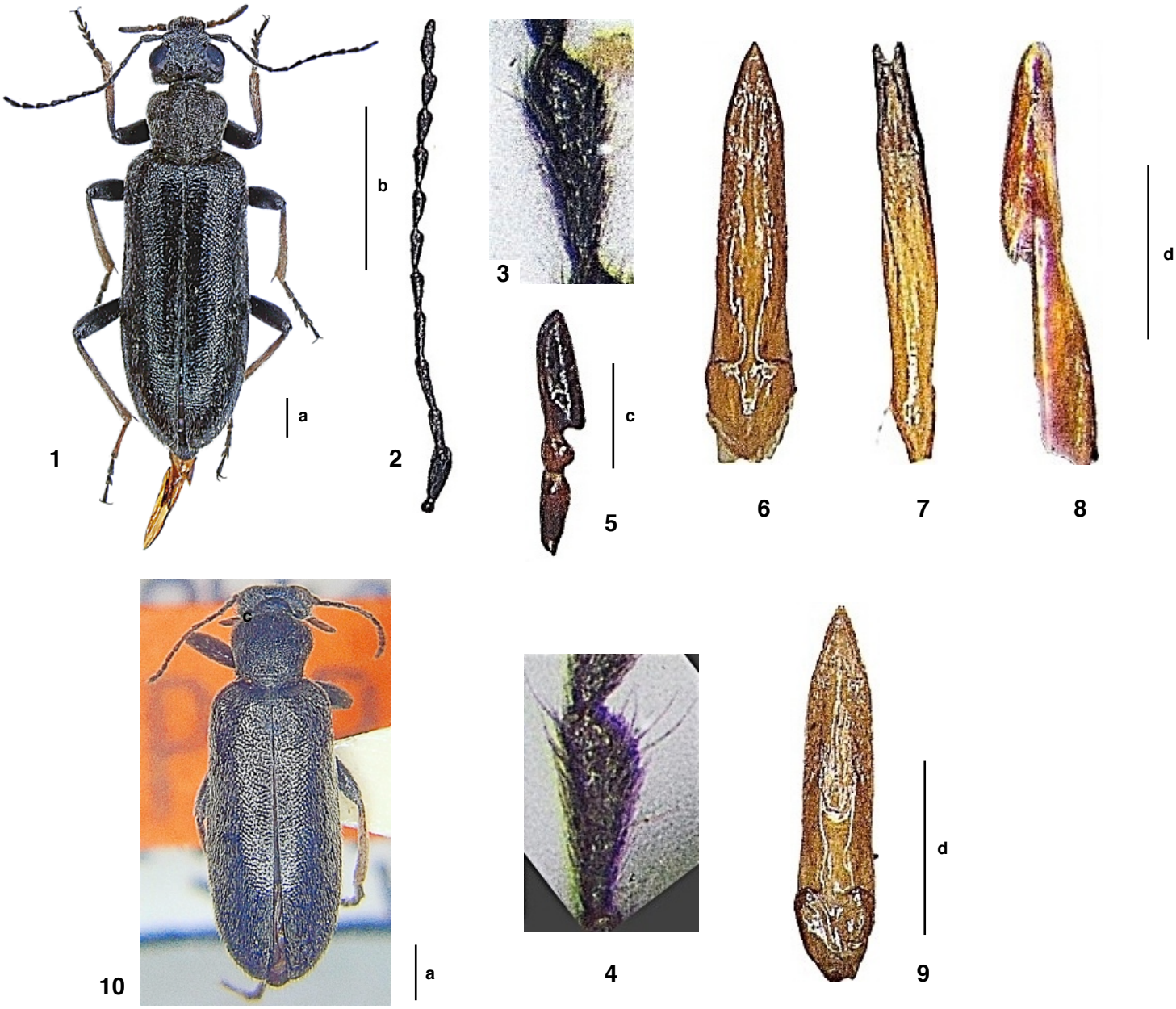

Fig. **1**-**3**, **5**-**8**. *Stereopalpus fukuoi* **sp**. **nov**., ♂. **1**. Habitus, dorsal aspect. **2**. Antenna. **3**. 8th antennaomere. **5**. Maxillary palpus. **6**. Aedeagus, dorsal view. **7**. Median lobe, dorsal view. **8**. Median lobe, lateral view.

Fig. **4**, **9**-**10**. *Stereopalpus tokioensis*, paratype, ♂. **4**. 8th antennaomere. **9**. Aedeagus, dorsal view. **10**. Habitus, dorsal aspect.

Scale. a, 1.0 mm for 1, 10; b, 1 mm for 2; c, 0.1 mm for 5; d, 1 mm for 6, 7, 9.

and slightly protruding, weakly emarginate at antennal insertions. Terminal maxillary palpomere (Fig. 5) cultriform, parallel-sided, 3.1 times as long as wide; outer apical angle loosely rounded, pointed apically. Antennae (Fig. 2) slender, filiform, densely and finely pubescent; terminal antennomere spindle-shaped; lengths of each antennomere from base to apex (n = 1): 1.2, 0.9, 1.2, 1.1, 0.9, 0.9, 0.9, 1.0, 0.8, 0.8, 1.2; length to width of each antennomere (n = 1): 2.5, 3.1, 4.6, 3.8, 3.3, 3.1, 2.9, 2.9, 2.7, 2.5, 3.9.

Pronotum. – Subcampanulate, PL/PW 0.9 (0.9, n = 6), HW/PW 0.9–1.0 (0.9, n=6), W/PW 1.4–1.5 (1.5, n = 6), widest across anterior angles; anterior angles broadly rounded, slightly gibbous; basal angles slightly slanted; basal margin very weakly and shallowly arcuate; basal bead distinct; disc densely and finely granulate, with distinct mesal longitudinal furrow. Scutellum longer than wide, densely and finely punctate.

Elytra. – Subparallel at sides, widest at basal 3/5; humeri and apices rounded, EL/EW 2.2–2.4 (2.3, n = 6); disc densely punctate, with interspace of punctures weakly wrinkled.

Ventral surface. – Densely punctate except for episternal apices and epimeral basal portions of mesothorax, metasternum with distinct mesal longitudinal furrow along apical half. Abdominal sternites finely punctulate; 5th sternite rounded apically.

Legs. – Slender, densely and finely pubescent. MtiL/Mta1stL 3.0 (n = 1), lengths of metathoracic tarsomeres 2–4 to 1st metatarsomere (n = 1): 1.0, 2.1, 3.0, 1.9.

Aedeagus (Fig. 6). – Elongate, EL/AL 2.5 (n = 1), AL/AW 4.6 (n = 1), pencil-shaped. Parameres gradually narrowed weakly from base and strongly convergent to apex in apical 1/4, pointed apically, flattened dorsally and ventrally in lateral view, with shallow longitudinal depressions and several small lateral spines in apical half, PmL/BpL about 3.2 (n = 1). Basal piece short oval, weakly convex dorsally, shallow mesal cuneiform depression at apex. Median lobe (Fig. 7) linear, 7.8 times as long as wide, apex U-shaped in dorsal view, apex arrowhead-shaped in lateral view (Fig. 8).

Female. – Unknown.

Variability. – Body measurements L: ♂ 7.7-8.8 (8.2); W: ♂ 2.2-2.5 (2.3) (n = 6 ♂ in mm).

Distribution. – Akita Pref., Tôhoku region, Honshu Island, Japan.

Collecting circumstances. – Type specimens were captured together in a cluster at the tip of a *Salix* sp. tree branch, about 1 m high.

Etymology. – The species name is dedicated in honor to Mr. Fukuo Satô, who collected the type specimens.

Differential diagnosis. – *Stereopalpus fukuoi* sp. nov. morphologically resembles *S. tokioensis* and is distinguished from the latter by the following characters:

1) Body large, EL ♂ 7.3-8.5 (7.8, n = 6) mm, EL ♂ 5.0, 5.3 mm (unlike the description in Nakane (1983), newly measured by author) in the latter;
2) Parameres slender, PmL/PmW 4.3, 3.9 in the latter;
3) Each antennomere more slender than the latter, 8th antennomere (Fig. 3) length/ width about 2.9, 2.4 in the latter (Fig. 4).

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Résumé

Saitô M., 2026. – Description d'une nouvelle espèce de *Stereopalpus* (Coleoptera, Anthicidae) apparentée à *S. tokioensis*, de la région de Tôhoku, Honshu, Japon. *Faunitaxys*, 14(25) : 1 – 3.

Stereopalpus fukuoi **sp**. **nov**. est décrit à partir de spécimens provenant de la région de Tôhoku, sur l'île de Honshu, au Japon. Cette nouvelle espèce est étroitement apparentée à *Stereopalpus tokioensis* Nakane, 1983.

Mots-clés. – Coleoptera, Anthicidae, *Stereopalpus*, taxonomie, description, nouvelle espèce, Paléarctique oriental, région de Tôhoku, île de Honshu, Japon.

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Faunitaxys

Volume 14, Numéro 25, Avril 2026

SOMMAIRE

Description d'une nouvelle espèce de *Stereopalpus* (Coleoptera, Anthicidae) apparentée à *S. tokioensis*, de la région de Tôhoku, Honshu, Japon.

Masahiro Saitô . . . . . 1 – 3

CONTENTS

Description of a new species of *Stereopalpus* (Coleoptera, Anthicidae) related to *S. tokioensis*, from the Tôhoku region, Honshu, Japan.

Masahiro Saitô . . . . . 1 – 3

Illustration de la couverture :

Stereopalpus fukuoi **sp**. **nov**.

Crédits:

Masahiro Saitô : Fig. 1-10 & couverture.

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